

HEGEDUS, Ferenc

New research institute in Ufa. Bany lap 93 no. 5:305 My '60.

l. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

TOTH, Miklos; NEMETH, Laszlo; HEINRICH, Jozsef; HEGEDUS, Ferenc;  
SCHOPPEL, Janos; VINCZE, Sandor

Society news. Bany lap 93 no. 5:352-359 My '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja (for Toth and Hegedus).
2. "Banyaszati Lapok" foszerkesztoje (for Heinrich).
3. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Dorogi Csoport titkara (for Schoppel).
4. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Banyaszati Szakosztaly titkara (for Vincze).

HLEGEDUS, Ferenc

Foreign study trips. Bany lap 97 no.6:412 Je '64.

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Ferenc, okl.banyamernok.

The most important dates and production indexes in the development  
of the Soviet oil industry. Bany lap 93 no.6:426-428 Je '60.

HEGEDUS, Ferenc

Asbestos cement natural gas pipes in the Soviet Union.  
Bany lap 93 no. 9:655 S '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Achievements of experimental borings performed by low diameter turbines in Hungary. Bany lap 93 no. 11:790 N '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi taja.

HEGEDUS, Ferenc

Conference at Nagylengyel arranged by the Section of Oil Mining  
and the Division of Plastics, Rubber and Varnish Industry of  
the Hungarian Chemical Society. Bany lap 93 no.12:863 D '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

REGGIE, Farouk

Foreign study trips. Bany Jap '97 no.7; 603 - Jl. ...

i. Editorial board member, "Banyasati" '98.

HEGEDUS, Ferenc, okleveles banyamernök

Recent news on the "Mohole" plans. Bany lap 97 no.8:559 Ág '64.

Foreign study trips. Ibid.:577.

1. Editorial board member, "Bányaszati Lapok."

HEGEDUS, Ferenc

Petroleum prospecting in the North Sea. Bany lap 97 no.12  
830 D '64.

Foreign study trips. Ibid. 861

1. Editorial Board Member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Session arranged by the Division of Oil Mining. Bany lap 94  
no.2:128 F '61.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Some data and facts relating to the petroleum industry of the  
United States. Bany lap 94 no.3:174 Mr '61.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.  
(United States--Petroleum)

HEGEDUS, Ferenc, okl. banyamernok

The 1960 achievements of the Soviet Union's petroleum industry and  
its 1961 tasks. Bany lap 94 no.4:275-276 Ap '61.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

(Russia—Petroleum)

HEGEDUS, Ferenc, okl. banyamernok

A deep-boring machine named "Uncle Janos" in Austria.  
Bany lap 94 no.7:495-497 Jl '61.

HEGEDUS, F.

Minety years of the oil production in Baku. Eany lap 94 no.10:  
717-718 O '61.

HEGEDUS, Ferenc

Remarks about the 3d National Conference of Innovators and  
Inventors, commerce and the innovation movement. Ujít lap  
14 no.3:30 F '62.

1. Bacs-Kiskun megye Meszov ujito előadaja.

HEGEDUS, Ferenc, okl. banyamernok

Prospects of the development of the mineral oil and gas  
industries of the Soviet Union for the period 1960-1980.  
Bany lap 95 no.5:346-347 My '62.

HEGEDUS, Ferenc, okleveles banyamernok

Foreign study trips. Bany lap 95 no.10:688-689 O '62.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc, okleveles banyamernok

Foreign study trips. Bany lap 95 no.12:852 D '62.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc, okleveles banyamernok

Foreign study trips. Bany lap 96 no.1:65 Ja '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Foreign study trips. Bany lap 96 no.3:207-208 Mr '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

The session of the Division of Oil Mining, Hungarian Mining and Metallurgic Society. Bany lap 96 no.6:421-427 Je '63.

1. Orszagos Magyar Bányaszati es Kohászati Egyesület Olajbanya-szati Szakosztaly titkara; "Magyar Bányaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Foreign study trips. Bany lap 96 no.7:495-496 Jl '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

1 million tons of petroleum produced by a single well in the  
Soviet Union. Bany lap 96 no.8:573-574 Ag '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Volkswagen engines for driving deep boring installations. Bany  
lap 96 no.8:574 Ag '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Experiments on oil burning in the storage layer. Bany lap 96  
no. 8:574 Ag '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Steel economy in tubing crude oil-natural gas wells. Bany  
lap 97 no.10:680 0 '64.

Turbotachometer tested in the Soviet Union. Ibid.:680

Huge oil outbreak near Groznyy. Ibid.:680

Deepest boring in the Soviet Union. Ibid.:680

The cumulative natural gas production of Austria exceeds 10  
billion cubic meters. Ibid.:712

Development of natural gas production in West Germany  
in 1963. Ibid.:712

Natural gas for the Ruhr. Ibid.:712

The Petroleum University at Ufa. Ibid.:712

Study trips to foreign countries. Ibid.:723-724

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Foreign study trips. Bany lap 98 no.1:69 Ja '65.

1. Editorial Board Member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Transporting drill equipment of helicopters in Switzerland,  
Bany lap 98 no.2:129 F '65.

1. Editorial Board Member, "Banyaszati Lapok,"

HEGEDUS, Ferenc

A 160 m observation tower made of a single pipe. Bany lap  
97 no. 5: 330 My '64.

Brazilian crude oil experts in the Soviet Union. Ibid.:333.

Opening of a technical university at Ashkhabad, capital of  
Turkmenia. Ibid.: 333.

An American drilling company in the offshore region of the  
North Sea. Ibid.: 333.

The Australian "Ma7" oil well has produced 400,000 tons of  
crude oil. Ibid.: 360.

l. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Foreign study trips. Bany lap 97 no. 5: 362-363 My '64.

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Geza, iro

What is civilization? Who is a civilized man? Munka 10 no.6:  
22-23 Je '60.

HEGEDUS, Ferenc

Deep borings in the coastal zone of the North Sea. Bany lap 97  
no.3:195 Mr '64.

Geophysical research in the coastal zone of the North Sea. Bany  
lap 97 no.3:195 Mr '64.

The Ordzhonokidze-Tiflis gas pipeline. Ibid.:195

Development of the petroleum industry in India. Ibid.:195

1. Editorial board member, "Banyaszati Lapok."

KHEGEDYUSH, Dard' [Regedus, Gyorgy], aspirant

Permissible content of wood pulp in paper school textbooks.  
Gig. i san 28 no. 6597-98 Je'63 (MIRA 1784)

1. Iz kafedry gigiyeny dets' i podrostkov Leningradskogo san-  
nitarno-gigiyenicheskogo meditsinskogo instituta.

HEGEDUS, Gyorgy, dr.

A method for the determination of child development in children's collectives. Nepegeszsegugy 42 no.10:312-315 O '61.

l. Kozlemeny as Orszagos Kozegeszsegugyi Intezetbol (foigazgato: Bakacs Tibor dr.).  
(GROWTH in inf & child)

HEGEDUS, Gyula, dr.

Fifteen years of prospecting for Hungarian hard coal (1945-1960).  
Foldt kozl 90 no.4; 424-427 O-D '60.  
(Hungary--Anthracite coal)

(EEAI 10:5)

HEGEDUS, GY.

Fluctuation in production and transportation of goods by rail, p. 269,  
KOZLEKED ESTUDOMANYI SZEMLE, (Kozlekedesi Kiado) Budapest, Vol. 5, No.  
7/8, July/Aug. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

HEGEDUS, Gy

HEGEDUS, Gy - Conference on Bela Czere's Az aruhuvarozas kezikonyve (Handbook of Goods Shipping). p. 323

Vol. 6, no. 7/8, July/Aug. 1956.

Kozlekedestudomanyi Szemle. Budapest, Hungary

Work of the Scientific Association for Transportation and Construction  
Transportation during the first half of the year. p. 325.

Vol. 6, no. 7/8, July/Aug. 1956.

Kozlekedestudomanyi Szemle, Budapest, Hungary.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

HEGEDUS, G.

Substituting motor trucks for railroads in the transportation of parcels. p. 497

REVISTA CAILOR FERATE. (Caile Ferate Romane) Bucuresti, Rumania.  
Vol. 7, no. 9, Sept. 1959.

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960

Uncl.

HEGEDUS, GY.

The 2d National Conference on Transportation. p. 497.

MELYEPITESTUDOMANYI SZEMLE. (Kozlekedes- es Kozlekedesepitestudomanyi Egyesulet) Budapest, Hungary. Vol. 9, no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 12, Dec. 1959.

Uncl.

HEGEDUS, Gyula, dr.

On the system of central railroad stations. Kozleked kozl 17 no.50:  
854-856 D '61.

HEGEDUS, Gyula, dr.

Railroad costing and its scientific development in Hungary.  
Kozl tud sz 12 no.1:15-22 Ja '62.

1. MAV tanacsos, Vasuti Tudomanyos Kutato Intezet tudomanyos fomunkatarsa

TOTTI, Gyorgy; HEGEDUS, Gyula

Implementing the Party decision on the development of machine industry at the Telecommunications Machine Factory. Nunka 12 no.12:12-13 D '62.

1. Hiradastechnikai Gepgyar igazgatoja (for Toth). 2. Hiradastechnikai Gepgyar szakszervezeti bizottsagi titkara (for Hegedus).

HEGEDUS, Hubert

Soviet help given to the our Danube-seagoing ship the "Tokaj".  
Kozleked kozl 18 no.15:250-251 15 Ap '62.

Country : HUNGARY  
Category: Soil Science. Tillage. Reclamation. Erosion.

J

Abs Jour: RZhBiol., No 18, 1958, No 82155

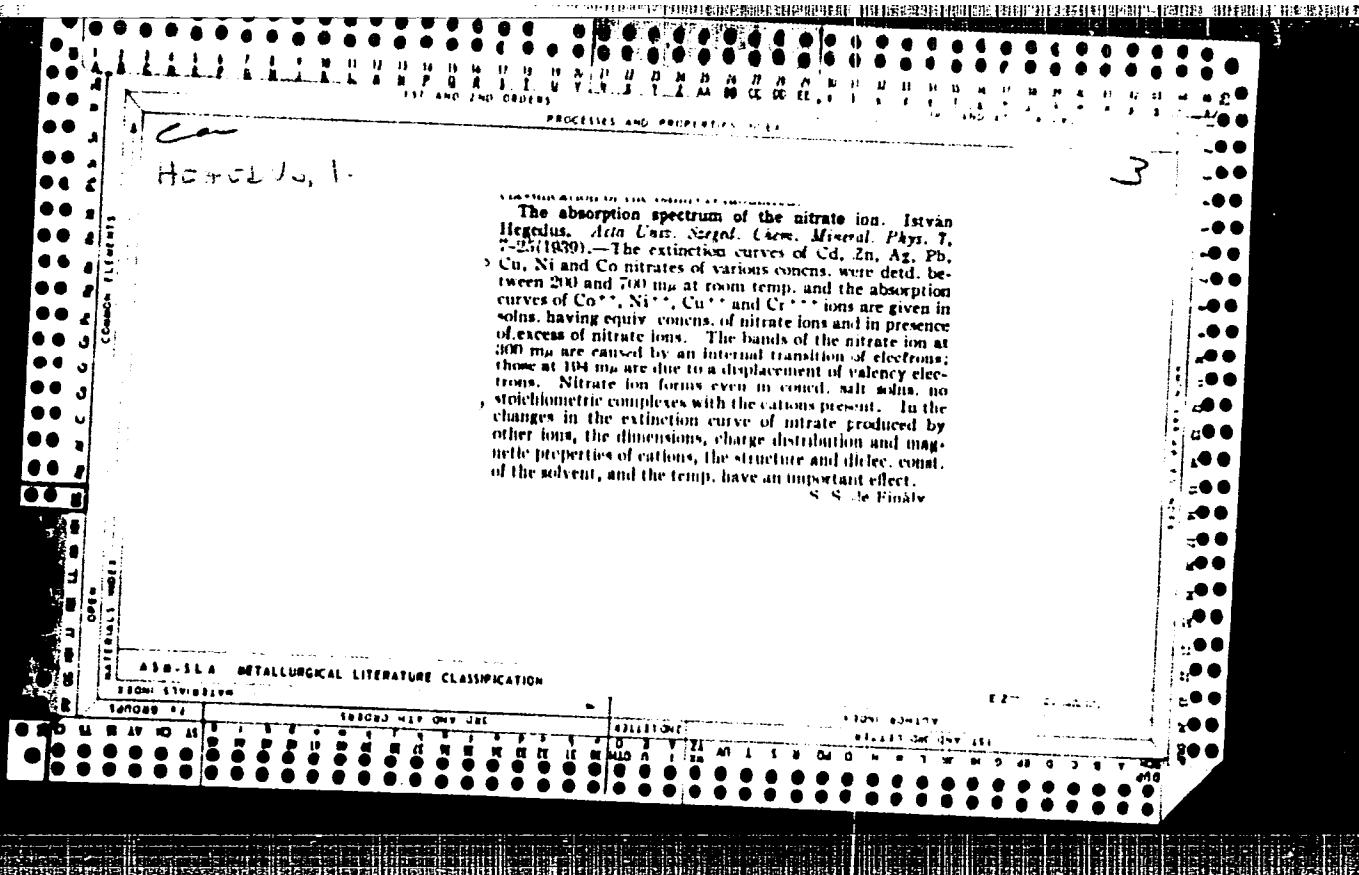
Author : Hegedus Istvan  
Inst : ~~Ministry of Agriculture, Budapest, Hungary~~  
Title : Effectiveness of Chemical Amelioration of the Soils  
in 1955.

Orig Pub: Agrartudomany, 1957, 9, No 1-2, 15-21

Abstract: No abstract.

Card : 1/1

The use of aerial photographs in soil science; reflection spectrum  
of our Hungarian soils. Geod kart 12 no.2:91-96 "60. (EEAI 9:9)  
(Hungary--Soils) (Photography)  
(Spectrum analysis) (Reflection (Optics))



H-6-C-DJ-1  
CD

The photographic exposure of extinction curves of solutions between 600 and 1000 m $\mu$ . I. Hegedus, Acta Lit. Sci. Regiae Univ. Hung. Friderico-Josephinae, Sect. Chem. Mineral. Phys. 7, 217-19 (1940) (in German). All infrared "hard" plates were used. Normal exposures were obtained by exposing plates "Hard 70," "Hard 750," "Hard 800" and "Hard 850" for 8-15 min. This time could be reduced to 5-10 min. by a previous hypersensitization by an NH<sub>3</sub>-contg. Na<sub>2</sub>CO<sub>3</sub> soln. Sensitization by Ag tungstate is more expensive without any advantages. Development was by M-Q in a dark room with a 15-dekalumen incandescent lamp, the light of which was filtered through 8 cm. of a soln. of CuSO<sub>4</sub> and K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>. A Zeiss scale served for measurement after a previous adjustment by a Gelsader tube filled with He and Hg. The extinction curve of 0.1 M Cu(NO<sub>3</sub>)<sub>2</sub> was measured as control. The values obtained agreed with the data given by Ley (C. A. 23, 1813). Between 600 and 730 m $\mu$  the control was made by a König-Martens spectrophotometer. S. S. de Finally

HEGARDEUS, L.

USSR  
HUNG.

2638. Detection of opium alkaloids on paper chromatograms. G. Csoban and I. Hegyediu (Magyar Kem. Foly., 1964, 60 (4), 191-194). — Reaktionul Zn, Kuan, 1964, Abstr. No. 50,279). — The paper chromatogram of opium alkaloids is treated with Mayer's reagent, excess of the reagent is washed off with tap-water, and the pptd. Hg is detected as HgS by means of ammonium sulphide soln.

E. HAYES

HEGEDUS, Istvan

Some further thoughts on the freightage of collective farms.  
Kozleked kozl 19 no.5:72-73 3 F '63.

FREUND, P.G.O.; HEGEDUS, I.

On the group-theoretical basis of quantum mechanics. I and II. Acta  
phys Hung 11 no.3:285-294 '60. (EEAI 9:10)

1. Institut fur Theoretische Physik der Universitat, Wien, Osterreich  
(for Freund). 2. Facultatea de Matematica si Fizica, Timisoara,  
Rumanian (for Hegedus)  
(Quantum mechanics)

HEGEDUS, Istvan

Transportation organization and professional skill in  
local Soviet enterprises. Kozleked kczl 18 no.18:308-310  
6 My '62.

HONIG, Maria; HEGEDUS, Jolan; KOMAROMY, Laszlo

A case of surgically treated intermittent exophthalmos. Szemeszet  
100 no.4;243-246 D '63.

l. I. sz. Szemeszeti Klinika (Igazdato: Radnot Magda egyetemi ta-  
nar) es az Orszagos Traumatologial Intezet (Igazgato: Szanto Gyorgy)  
közlemenye.

BANKI, Dezsö; BARTHA, József; HEGEDUS, József, okleveles villamosmérnök;  
TÓTH, Otto; FRIED, Arnold; UNK, Jánosné; FOLDEAK, Gábor;  
NIEWELT, Ferenc; KUCZOGI, Endre

Remarks about Aurel Felkai's entitled "Experiences with the  
operation of the Hungarian-manufactured heavy-current cables  
and lines." Villamosság 8 no.2-3:60-62 F-Mr '60.

1. Budapest Fovaros Elektromos Muvei vezeto mernooke (for Banki).
2. Lenin Kohászati Muvek energia gyarreszlege fomernooke (for  
Bartha). 3. Országos Bányaműszaki Felügyelőseg (for Hegedus).
4. Borsodi Vegyi Kombinat foenergetikusa; Nehezipari Miniszterium  
Nevezegyipari Főosztálya képviseleteben (for Tóth). 5. EM  
Szerelőipari Tervezo Vallalat, Sztalinvaros (for Fried).
6. EM Szerelőipari Tervezo Vallalat (for Unk). 7. Magyar  
Ásványolaj és Foldgazkiserleti Intézet (for Foldeak).
8. Villamosgép és Kábelgyár (for Niewelt). 9. Országos  
Villamosenergia Felügyelet (for Kuczogi).

HEGEDUS, Jozsef

"Cutting plates" by Laskowski and John. Reviewed by Jozsef  
Hegedus. Gep 14 no.3:91 Mr '62.

HEGEDUS, Karoly

More attention should be paid to the interest of ourselves and our  
co-workers. Magy vasut 7 no.5:4 4 Mr '63.

HEGEDUS, Karoly

"At least no membership fees should be paid." Nagy vasut 7  
no. 14:4 15 Jl '63.

HUNGARY

SARANY, Janos, Dr; Veszprem Megye Council Hospital (director-chief physician:  
HEGEDUS, Karoly, Dr), Rontgenological Ward (chief physician: SARANY, Janos,  
Dr, candidate) (Veszprem Megyei Tanacs Korhaza, Rontgenosztaly).

"The Practical Organization of Radiation Protection."

Budapest, Mazvar Radiologia, Vol XV, No 4, Aug 1963, pages 208-214.

Abstract: [Author's Hungarian summary] The practical organization of radiation protection is a manifold and extensive problem. The article presents a brief survey of the problem. Deficiencies and the steps required for their correction are discussed by the author. No references.

1/1

HEGEDUS, Karoly

Neglected safety measures. Magy vasut 8 no.14:4 18 Jl '64.

HEGEDUS, Karoly

Some experiences in the implementation of the new laws on industrial safety. Magy vasut 8 no.17:4 1 S '64.

HEGEDUS, Karoly

Why are there so many accidents during shunting? Magy  
vasut 8 no. 9:4 4 My '64.

HEGEDUS, L.

Supplying our animals with green fodder. p. 21. (Magyar Mezcgazdasag, Vol. 11, no. 7, Apr. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

HEGEDUS, L.

HEGEDUS, L. Making sand useful through irrigation. p. 10.

Vol. 11, no. 17, Sept. 1956

HUNGAR MEZŐGÁZDASÁG

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

Hegedus, L.

✓ 3634. Cholinesterase activity of myosin. E. Varga, T. Körösi, E. Kiss, T. Kovács, and L. Hegedüs. *Acta physiol. Acad. Sci. Hung.*, 1955, 7, 171-173.—Myosin, trypsin-digested myosin, and L-meromyosin have about the same cholinesterase activity, while H-meromyosin has no cholinesterase activity. The ATP-ase activity of the same prep. differs from that of their cholinesterase activity: myosin and digested myosin have equal, L-meromyosin practically nil, H-meromyosin very great activity. A cryst. prep. of L-meromyosin has 3 to 4 times as great a cholinesterase action as has a non-cryst. one. It is concluded that (a) different parts of the myosin molecule are responsible for the acetyl cholinesterase and for the ATP-ase activities, and (b) L-meromyosin, up to now considered as enzymically inactive, has cholinesterase activity. (Hungarian)

A. B. L. BEZNÍK.

Spec  
2

Hegedus, László

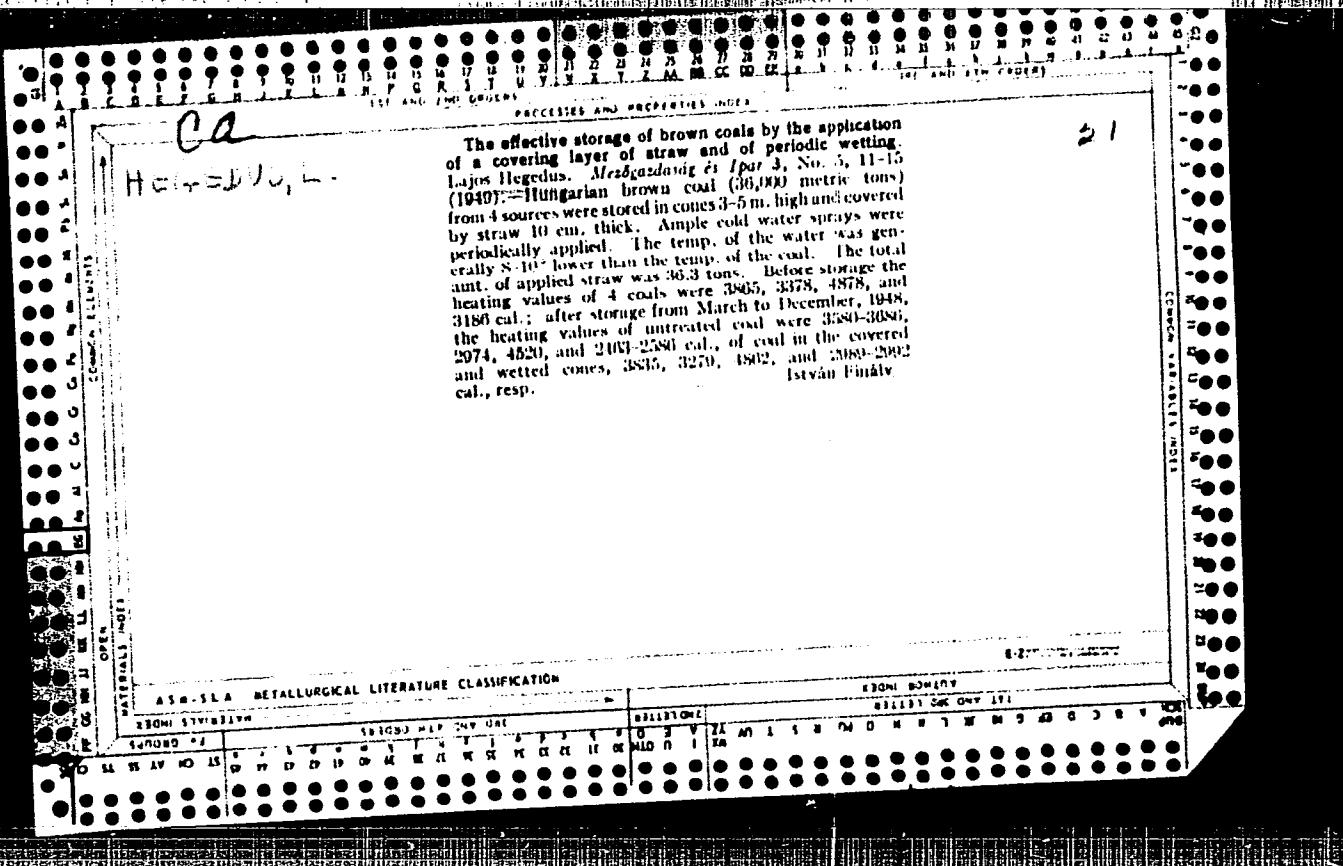
MD ✓ The heterodispersity and molecular structure of dextran applied as a substitute for plasma. Béla Szentiván, János Hegedus, Ferenc Guba, Mts. Mihály Barány, and Endre Tóthortény (Research Inst. Pharm. Ind., Budapest). Magyar Kém. Polibírál 61, 65-73 (1966).—On the basis of investigation of mol. wt., heterodispersity, and proportion of 1,6 to 1,4 glycosidic bonds of an acid-hydrolyzed plasma substitute, a lab. method was evolved for the fractionation of dextrans. The  $\eta_{sp}/c$  values detd. in 6, 8, 10% soins, proved more suited for characterizing mol. wts. of degraded and fractionated dextrans than the values of intrinsic viscosity. Mol. wts. of dextran samples and of their fractions were detd. by diffusion and ultracentrifuging. Acid-degraded, unfractionated dextrans of intrinsic viscosities 0.10-0.21 were extremely heterodisperse. One or more fractionations are necessary to remove fractions of very low and very high mol. wts. to obtain a product suited as a plasma substitute. The glycosidic bonds of samples of degraded and fractionated dextran examd. were in about 85% of the cases of type 1,6. Appreciable deviations were observed with undergraded dextrans (contg. 1,6 bonds in 73%) and with overhydrolyzed dextrans (contg. 91% 1,6 bonds).

(4)

FEKETE, Kalman; HEGEDUS, Lorant

The manufacture of shrunk grain pigskin leathers. Bor cipo  
10 no.5:145-147 S '60.

1. Boripari Kutato Intezet (for Fekete). 2. Diszmuborgyar  
(for Hegedus).



66. Plant experiences on long-term storage of lignite.  
by L. Hedges, "Climax" pit - The Sugar Industry  
VOLUME 28, NO. 183-186, Aug.-Sept.

In 1940 the experiments on the method of covering the coal by straw, the *Szolnok* sugar plant and the 888 M. T. of lignite coalwards throughout the country were started according to the method elaborated by the author. In principle this method consists in covering with a layer of straw the coal stored in the open air and by periodical sprinkling to keep it continuously moist. Experience has proven that in the case of larger lumps of coal 5-10 liters of sprinkling water are needed daily to each square meter. The water requirement is naturally greater on warm, windy days than when the weather is cold and dry. 2,200 M. T. of lignite had been stored at the *Szolnok* sugar plant from May 1940 for almost one year in piles of 35 meters by the straw covering method. At the end of the storing period samples were taken from various depths of the coal pile. According to the analysis figures obtained from the analysis of the samples it became clear that the ash contents of the coal decreased very slightly and that the calorific power increased correspondingly. This phenomenon is explained by the fact that owing to the continuous sprinkling the clayey and soil particles were slowly removed from the coal.

Even when sloping with straw coverings it is necessary to check the temperature of the roof pales regularly by means of iron rods.

ALTMER INDIA

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617920018-7"

HEGEDUS, L.

BARANY, M.; HEGEDUS, L.

"Determination of the molecular weight of materials of large molecular volume with an ultracentrifugal and diffusion apparatus." p. 268 (Magyar Kemikusok Lapja, Vol 8, No. 9 Sept 1953, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Unclassified

HEGEDUS, Lajos, fomernok

Continuous sugar solvent. Cukor 12 no. 6:147-148 Je '59.

1. Szolnoki Cukorgyar.

HEGEDUS, L.

CZECHOSLOVAKIA

HOCMAN, G.; HEGEDUS, L.

Institute of Endocrinology, Slovak Academy of Sciences (Endokrinologický ustav SAV), Bratislava (for both)

Bratislava, Farmaceuticky oboznam, No 2, Feb 1966, pp 63-66

"Experience with gel filtration applied to the Sephadex."

CZECHOSLOVAKIA

HOCMAN, G.; HEGEDUS, L.; Endocrinological Institute, Slovak Academy of Sciences (Endokrinologicky Ustav SAV), Bratislava.

"A Method for the Determination of Binding Capacity of the Blood Plasma Proteins to Thyroxine."

Prague, Ceskoslovenska Farmacie, Vol 15, No 5, Jun 66, pp 244-246

Abstract [Authors' English summary modified]: Two equal samples of blood plasma are incubated with radioactive thyroxine, and with two different amounts of 1-thyroxine. In both cases the ratio of radiothyroxine free and bound to plasma proteins is determined by means of gel filtration on Sephadex G 25. On the basis of these results the binding capacity of the plasma proteins to thyroxine is calculated. 1 Figure, 2 Tables, 13 Western, 3 Czech references. (Manuscript received 8 Jul 65).

HEGEDUS, Melinda, dr.

Cervical dissection in cases of lingual carcinoma. Magy. sebesz. 15  
no.3:148-152 Je '62.

1. A Fovarosi Uzsoki utcai korhaz (Ig. foorvos: Szanto Sandor dr.)  
Onkeradiologai Intezetnek (Osztalyvezeto-foorvos: Vandor Ferenc dr.,  
az orvostudomanyok kandidatusa, Onkologiai Gondozó Intezet vezeto  
foorvosa Karpati Gyorgy dr.) kozlemenye.

(TONGUE neopl) (NECK surg)

HEGEDUS, S.; BALINT, S.

Innovators' movement of producers' cooperatives. p. 10.

Month of innovations of OKISZ. p. 10.

UJITOK LAPJA, Vol. 7, No. 9 May 1955

(Oszagos Talalmanyi Hivatal) Budapest

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 September, 1956

HEGEDUS, S.

Data on the clinical aspect of herpes zoster. Orv. hetil. 104 no.5:  
234-235 3 F '63.

(HERPES ZOSTER)

(CA) Hevesi, T.

17

Alkaloid investigations in the U.S.S.R. Tibor Hegedus,  
*Magyar Kém. Lapja* 5, 239-41(1950).—A summary of the  
alkaloids detected by Soviet scientists. István Finály

MAGYAR KEMIKUSOI LAPJA  
JOURNAL OF THE HUNGARIAN CHEMICAL SOCIETY  
VOL VI -1951  
No 4, April

*I. Begejde:*

Phosphate deposits in the Soviet Union 113-115

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

HEGEDUS, T.

"The fifth Five-Year Plan and the Hungarian chemical industry." p. 65. (Magyar Kemikusok Lapja, Vol. 8, no. 3, Mar. 1953, Budapest)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,  
Feb. 1954, Unclassified

HEGEDUS, T.

HEGEDUS, T.

"Technical Tasks for Improvement of Quality in the Chemical Industry", P. 1,  
(TOBBETTEPELES, Vol. 8, No. 5, May 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4,  
No. 1, Jan. 1955, Uncl.

HEGELUS, T.

HEGELUS, T. - Soviet debate about the economy factor in technical development.  
p. 12, Vol. 10, no 8, Aug. 1956  
TOBBTERMELES. ( Uzem Tervgazdasagi es Szervezesi Tudomanyos  
Egyesulet) Budapest.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

HEGEDUS, Tibor; NEMETH, Andras; SZEKELY, Attila

World situation and prospective trend of the manufacture of  
plasticizers. Magy kem lap 19 no. 1: 30-35 Ja '64.

1. Veggipari INVEST Vallalat Kozgazdasagi Foosatalya.

HEGE No.3, 3.

"Defects in the manufacturing technology of copper and copper alloys; metallographic examination of defects caused by nonmetallic and extraneous blisters" p. 311,  
(GEP, Vol. 5, no. 7, July 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 11, Nov. 1953, Uncl.

Hegedus, Z.

Sept. 25, 1953

Metallurgy & Metallography

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Zinc oxide inclusions. 2. Hegedus (Metallurgical and Metallograph. Lab., Eszterhazy Tech. Acad. Sci. Hung. 6, 473-80 (1933). At low casting temps.  $ZnO$  causes the to the surface of a brass melt because of the high viscosity.  $ZnO$  inclusions in brass cause cracking at cold-working; they can be detected through their properties which correspond to natural zincite. The metallographic specimen is etched with: 2%  $HNO_3$  in  $EtOH$ ; concd.  $H_2F$ ; 10%  $(NH_4)_2SO_4$ ;  $FeCl_3-HCl$  1:3;  $NH_4OH$  1:3 does not attack the  $ZnO$  inclusions. It is easy to distinguish  $ZnO$  from  $Cu_3O$ ,  $Cu_2S$ ,  $Cu_2Te$ ,  $Cu_2Se$ . It resembles  $SaO_2$ , but is much lighter, having higher reflectivity. Its color is pigeon-gray,  $SaO_2$  is dark gray with a bluish tinge. Standard of comparison samples for identification of questionable inclusions are prep'd. by placing oxidized  $Cu$  on molten brass and by heating them for some time to a temp. little below the melting of the  $Cu$ ; numerous  $ZnO$  inclusions are formed near the contact surface in the brass. M. M.

25/82

HEGEDUS, Z.

*Micro-polishing of steel and iron alloys.* *Vestnik Akademi* [Magazin Akademii] *Lapok* 9, 343-52 (1954); *Hung. Tech. Zschr.*, No. 2, 14 (1955).—Micro or spot polishing is used for non-destructive metallographic tests on finished pieces of work. The method is a modification of one following out, can only be used on a surface of 1.6 sq. mm. The principal parts of the app. are valve rectifier with equip. belt, potentiometer, milliammeter, diaphragm pump, and a glass pipet with sealed Pt cathode. During 2 years of plant experiments in Hungary glycerol-perchloric acid-alc. and butyl colloids electrolytes have proved the best, alt. perchloric acid can also be used satisfactorily. Mild steel requires 12-25 sec., 100-30 ma.; alloy tool and high-speed steels 6-12 sec., 100-30 ma.; cast iron 5-8 sec., 40-40 ma. Sawn or ground surfaces are also suitable for direct polishing, especially in case of single-phase alloys. The procedure is extremely rapid and reliable. J. L. C.

HEGEDUS, Z.

Effect of sampling on the determination of the quality o' steel. p. 536.

( KOHASZATI LAPOK, Budapest, Vol. 9, no. 12, Dec. 1954.)

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, no. 1, Jan. 1955,  
Uncl.

HEGEDUS, Z.

The metallurgy of metal spraying. 2. *Herrings  
Gaz* 7, 159-61(1955); *Hung. Tech. Akad.*, No. 1, August  
No. 72(1955).—The oxide inclusions formed during the  
spraying of low and medium-C and Si steels and Pb/Cu  
and Sn bronze were studied microscopically. The spraying  
of low-C and low-Si steels resulted in more inclusions  
than that of high-C and high-Si steels. In spraying Pb  
bronze, PbO may form easily; therefore spraying must be  
effected cautiously and the formed oxide eliminated by  
subsequent reduction. In sprayed Cu coatings, Cu<sub>2</sub>O in-  
clusions are formed. Harmful SnO<sub>2</sub> is contained in sprayed  
Sn bronze. The no. of formed inclusions can be reduced by  
increasing the P content of the initial substance.

K. J. C.

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M. J.

HEGEDUS, Z. : BOZSAI, I.

Electrography, a new branch of testing materials without breaking them. p. 299.  
Vol 7, no. 8, Aug. 1955. GEP. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

67. Data on copper oxyarsenate, copper nickel oxyarsenate  
and nickel oxide inclusions (In English) - Z. Hage-  
döla. Acta Scientiarum Academiae Scientiarum Hungaricae  
- Vol. 10, 1955, No. 1-2, pp. 117-126, 10  
figs.)

MG- Data on copper oxyarsenate in literature have been  
controlled by preparing artificial inclusions in alloys  
of various composition. It was found that the inclusion  
understood to be copper nickel oxyarsenate was in  
reality NiO. The optical and physical properties of the  
NiO inclusions, their crystallization and their distinc-  
tion from other nonmetallic inclusions of copper, as  
well as their conditions of formation were examined.

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HEGEDUS Z.

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68. Data on copper oxide inclusions in industrial copper  
(In German) - Z. Hegedus: *Acta Technica  
Academias Scientiarum Hungaricarum*, Vol. 10, 1945,  
No. 1-2, pp. 127-137, 15 figs.)

MC

The optical properties of CuO inclusions, their distinction from other, nonmetallic inclusions of copper, as well as technological defects caused by the inclusions have been examined. Besides Cu<sub>2</sub>O and CuO, CuFeO<sub>2</sub> also occurs in ferruginous slags. During hot-forming secondary CuO is reduced to Cu<sub>2</sub>O while in bronzes low in P, containing Sn, the CuO is reduced to Cu<sub>2</sub>O and metallic copper during which secondary SnO<sub>2</sub> is formed.

21/8/67

HEGEDUS, Z.

- ✓ 66. Examination of the defects of extruded nonferrous semimolten products. (In Russian) Z. Hegedus  
*Acta Technica Academica Scientiarum Hungaricarum*, Vol. 13, 1935, No. 1-2, pp. 115-146, 34 figs., 4 tabs.

Extrusion defects have been classified according to the causes of their sources. Among the defects which may be traced to the flow of the material inclusions of impurities occur the most frequently. With some alloys oxides and foreign metal inclusions appear at the surface while with others they appear in the interior. The differences in location of inclusions are caused by the divergencies in the properties of the scale on the billet. With aluminium alloys the place of inclusion of the oxide depends on the surface quality of the cylinder and of the billet, on the compression of the latter, on the design of the extruding ram and tool, and on lubrication. Among the unsatisfactory extruding conditions a too low temperature usually creates difficulties only during subsequent finishing. Excessively high temperature and velocity of extrusion produce characteristic defects which are often very similar and therefore it is difficult to ascertain the exact cause. An unsatisfactory billet causes varied defects; their source may be determined in most cases by chemical analysis and microscopic examination.

HEGEDÜS, ZOLTÁN

c11516\* Metallographic Examination of Large Ovens in  
Inclusions Occurring in Steels. Archívum előirányozási  
rétei szakcikkeinek metallográfiájai visszatérítésekkel  
(Hungarian.) Zoltán Hegedűs. Kémiai Lapok, v. 9, no. 4,  
Apr. 1956, p. 163-172.

Origin of and causes for large inclusions; examination by  
microscope and etching; determination of the origin of the  
inclusion from its structure. Photographs, micrographs, tables.  
14 ref.

HEGEDUS, Z.

In effect, what is globular carbide? p. 66.  
KOHASZATI LAPOK. (Magyar Bányaszati es Kohaszati Egyesulet). Budapest.  
Vol 11, no. 3, Mar 1956.

SCURCE: ERAL, Vol 5, no. 7, July 1956.

HEGEDUS, Z.

Conclusions of a metallographic test of large inclusions of dross in steel. (Kohaszati Lapok. Vol. 11, no. 4, Apr. 1956.)

SG: Monthly List of East European Accessions (EWAL) LC., Vol. 6, no. 7, July 1957 Uncl.

HEGEDUS, Z.

Examination of defects resulting from embedded impurities  
in pressed nonferrous metal and light-metal products. P. 45  
KOZLEMENYEI Budapest, Vol. 18, no. 1/4, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956

Distr: 4E2c

✓ 82. Production defects in nickel silver alloys caused by phosphorus contamination. Z. Hegedüs, M. Ste. fán. Kohászati Lapok, Vol. 12(90), 1937, No. 10, pp. 470-472, 9 figs., 3 tabs.

A thorough investigation was conducted on the influence of phosphorus contamination on the structure and technological properties of nickel silver alloys in relation to scrap. The phosphides are practically insoluble at room temperature and considerably reduce elongation like other unequally dispersed, non-plastic inclusions of copper (e.g.  $\text{SnO}_2$ ). During homogenization the phosphide dissolves in the alpha phase leaving mostly small interstices at the boundary of the crystals and upon cooling the phosphide separates again as fine, pointlike inclusions thereby causing local increases in hardness. The defect appears only at spots highly enriched in phosphorus. The alloy absorbed the phosphorus by reduction from the refractory lining of the furnace.

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HUNGARY, 2.

Some interesting flaws of extrusion on nonferrous and light metal semiproducts.

p. 75.

(KOMASZATI RAPOK. Vol. 12, no. 1/2, Jan/Feb. 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (SEAL) IC. Vol. 5, no. 12, Dec. 1957  
Uncl.

HEGEDUS, Zoltan; STEFAN, Mihaly

Phosphorus contamination caused production defects in alpaca  
alloys. Koh lap 12 no. 10:470-472 0 '57.

Hegedus, Z.

Distr: bE2c

111. Surface defects caused by gassiness in the manufacture of nickel-silver sheets? Z. Hegedus, M. Steffen, Kohäszi Lapok, Vol. 13 (91), 1938, No. 1, pp. 34-38, 10 figs., 3 tabs.

Most defects encountered during the manufacture of nickel silver sheets<sup>111</sup> (surface cracks, overlapping, blisters) are due mainly to the increased gas content of the cast slabs. This may be eliminated by using the following sequence of charging: (1) melting of manganese in an amount of 0.3% of the total weight of the charge, (2) melting of the copper, (3) charging of nickel silver scrap, (4) introduction of oxide-free nickel and/or copper-nickel scrap, (5) after melting the nickel the melt is stirred and covered with charcoal, (6) zinc is added, (7) phosphorus is added. This method of charging prevents the contamination of the melt by a high NiO content leading to an increased gas content. In order to avoid a high gas content the amount of mould paint added and the dryness of the charcoal used for covering the melt should be given special attention.

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Distr: 4E2c

72. Changes of structure and manufacturing faults caused by scaling in hot-rolled Pb5 bronze.<sup>3</sup> (In German)  
Z. Hegedus. Acta Technica Academiae Scientiarum  
Hungaricae. Vol. 19, 1958, No. 3-4, pp. 363-369, 5  
figs.

Surface cracks formed at the first passes of hot rolling are connected with de-tinning on the surface and formation of  $\text{SnO}_2$  in the atmosphere of the oxidizing furnace. Scale forms in two steps. First the Sn content of the alpha crystal oxidizes into  $\text{SnO}_2$  and then, after complete de-tinning, the copper oxidizes. De-tinning precedes oxidation in space and time. The thickness of the de-tinned layer varies in the function of the temperature and time of homogenization. The form of the secondary  $\text{SnO}_2$  and its dimensions depend on the partial pressure of the  $\text{O}_2$  present.

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Distr: ME2c

110. Defects of fabrication caused by phosphorus impurities in German silver alloys. (In Russian) Z. Hegedűs, M. Stefan. Acta Technica Academiae Scientiarum Hungaricae, Vol. 20, 1958, No. 3-4, pp. 299-304, 9 figs., 3 tabs.

The effect of phosphorus contamination on the structure and technological properties of German or nickel-silver alloys have been examined in connection with production rejects. Phosphides are practically insoluble at room temperature and, similarly to other unevenly distributed non-plastic inclusions ( $\text{SnO}_2$ ), they greatly reduce elongation. At homogenization phosphide

dissolves in  $\alpha$  and upon cooling segregates again as fine inclusions in the shape of specks causing thereby a local increase of hardness. Flaws appear only in the parts strongly enriched in phosphorus, in the centre of the plate when the specified technology of casting is used. Phosphorus was absorbed through reduction from the furnace lining.

✓ Defects in sheet alpaca (metal) caused by gas occlusions.  
Zoltán Hegedűs and Mihály Stélin. Kokárosszai Lapok 91,  
55-3100 Szeged. Defects in alpaca sheets were studied. These  
are mainly surface cracks, laminations, and voids, caused  
by CO occlusions. The CO originated from the reduction of  
scrap contg. oxidized Ni. By adopting a suitable feeding  
procedure the gas formation (and proportionally the inci-  
dence of defects) can be considerably reduced.

X

L. Q. Acker *[Signature]*

HEGEDUS, Z. ; STEFAN, M.  
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Qualitative and surface flaws on formable Bz5, Bz8 bronze plates and  
bands. p. 262.

KOHASZATI LAPOK. (Magyar Bányaszati és Kohaszati Egyesület) Budapest, Hungary  
Vol. 14, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Unclu.

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E190/E580

AUTHORS: Székely, Levente, Dipl.met.eng. and  
Hegedüs, Zoltán, Dipl.chem.eng.

TITLE: The Examination of Corrosion Defects in Power-Plant  
Boiler Tubes

PERIODICAL: Kohászati lapok, 1960, No.11, pp.481-489

TEXT: The paper deals with experience gained in the metallo-graphic examination of A 35.47 (C - 0.17%, S - 0.35%, Mn - 0.40%, tensile strength = 35-45 kg/mm<sup>2</sup>) and A 45.47 (C - 0.22%, Si - 0.35%, Mn - 0.45%, tensile strength = 45-55 kg/mm<sup>2</sup>) type boiler tubes of Hungarian and foreign manufacture that failed in service mainly as a result of incorrect operation of the power plants. Local overheating caused thinning of the walls and led finally to bursting of the tubes. Temperatures not exceeding 723°C could be recognized by grain growth, recrystallization or, in the case of prolonged exposure to near 725°C, by a decarbonized region of columnar structure that formed under the influence of H<sub>2</sub>O + H<sub>2</sub> underneath the scale layer. Heating to over 723°C showed up in a change from lamellar to globular pearlite or, in tubes that were heated into

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